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Automated Report

Technical Report for

Chevron USA, Inc.

CDH: Ritchey 1-27 1 WH

REM#39449

SGS Job Number: DA77289

Sampling Date: 11/14/25

Report to:

Chevron USA, Inc.
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ATTN: David Stainback

Total number of pages in report: 85



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

A handwritten signature in black ink, appearing to read "Eric Hoffman".

Eric Hoffman

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Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L)
HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Sample Summary

Chevron USA, Inc.

Job No: DA77289

CDH: Ritchey 1-27 1 WH
Project No: REM#39449

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
DA77289-1	11/14/25	15:34 NI	11/14/25	SO	Soil	WH01-W@3'
DA77289-1A	11/14/25	15:34 NI	11/14/25	SO	Soil	WH01-W@3'
DA77289-1B	11/14/25	15:34 NI	11/14/25	SO	Soil	WH01-W@3'
DA77289-1C	11/14/25	15:34 NI	11/14/25	SO	Soil	WH01-W@3'
DA77289-2	11/14/25	15:34 NI	11/14/25	SO	Soil	BKG01@3.5'
DA77289-2A	11/14/25	15:34 NI	11/14/25	SO	Soil	BKG01@3.5'
DA77289-2B	11/14/25	15:34 NI	11/14/25	SO	Soil	BKG01@3.5'
DA77289-3	11/14/25	15:41 NI	11/14/25	SO	Soil	BKG02@3.5'
DA77289-3A	11/14/25	15:41 NI	11/14/25	SO	Soil	BKG02@3.5'
DA77289-3B	11/14/25	15:41 NI	11/14/25	SO	Soil	BKG02@3.5'
DA77289-4	11/14/25	15:47 NI	11/14/25	SO	Soil	BKG03@3.5'
DA77289-4A	11/14/25	15:47 NI	11/14/25	SO	Soil	BKG03@3.5'
DA77289-4B	11/14/25	15:47 NI	11/14/25	SO	Soil	BKG03@3.5'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: DA77289
Account: Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH
Collected: 11/14/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA77289-1 WH01-W@3'

TPH-DRO (C10-C28)	19.2	4.3			mg/kg	SW846-8015C
TPH-ORO (> C28-C36)	40.0	6.4			mg/kg	SW846-8015C

DA77289-1A WH01-W@3'

Calcium	156	6.0			mg/l	SW846 6010C
Magnesium	62.9	3.0			mg/l	SW846 6010C
Sodium	260	6.0			mg/l	SW846 6010C
Sodium Adsorption Ratio ^a	4.44				ratio	USDA HANDBOOK 60

DA77289-1B WH01-W@3'

No hits reported in this sample.

DA77289-1C WH01-W@3'

Arsenic	1.6	0.20			mg/kg	SW846 6020B
Barium	48.9	2.0			mg/kg	SW846 6020B
Cadmium	0.25	0.099			mg/kg	SW846 6020B
Copper	9.0	2.0			mg/kg	SW846 6020B
Lead	17.9	0.50			mg/kg	SW846 6020B
Nickel	3.7	2.0			mg/kg	SW846 6020B
Zinc	23.4	9.9			mg/kg	SW846 6020B
pH ^b	7.90				su	WREP-125,4E-SATPASTE
Specific Conductivity ^b	2.2	0.0010			mmhos/cm	SM 2510B-2011 MOD
Chromium, Hexavalent ^c	0.57	0.44			mg/kg	SW846 3060A/7199

DA77289-2 BKG01@3.5'

Arsenic	1.6	0.18			mg/kg	SW846 6020B
Barium	46.5	1.8			mg/kg	SW846 6020B
Copper	3.6	1.8			mg/kg	SW846 6020B
Lead	4.2	0.45			mg/kg	SW846 6020B
Nickel	4.1	1.8			mg/kg	SW846 6020B
Zinc	15.6	9.0			mg/kg	SW846 6020B
pH ^b	8.07				su	WREP-125,4E-SATPASTE
Specific Conductivity ^b	1.5	0.0010			mmhos/cm	SM 2510B-2011 MOD

DA77289-2A BKG01@3.5'

Calcium	92.1	6.0			mg/l	SW846 6010C
Magnesium	32.8	3.0			mg/l	SW846 6010C
Sodium	193	6.0			mg/l	SW846 6010C

Summary of Hits

Job Number: DA77289
Account: Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH
Collected: 11/14/25

2

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Sodium Adsorption Ratio ^a		4.39			ratio	USDA HANDBOOK 60
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DA77289-2B BKG01@3.5'

No hits reported in this sample.

DA77289-3 BKG02@3.5'

Arsenic		1.7	0.18		mg/kg	SW846 6020B
Barium		55.6	1.8		mg/kg	SW846 6020B
Copper		4.3	1.8		mg/kg	SW846 6020B
Lead		4.2	0.46		mg/kg	SW846 6020B
Nickel		4.0	1.8		mg/kg	SW846 6020B
Zinc		15.8	9.2		mg/kg	SW846 6020B
pH ^b		8.08			su	WREP-125,4E-SATPASTE
Specific Conductivity ^b		1.4	0.0010		mmhos/cm	SM 2510B-2011 MOD

DA77289-3A BKG02@3.5'

Calcium		98.0	6.0		mg/l	SW846 6010C
Magnesium		38.4	3.0		mg/l	SW846 6010C
Sodium		189	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^a		4.10			ratio	USDA HANDBOOK 60

DA77289-3B BKG02@3.5'

No hits reported in this sample.

DA77289-4 BKG03@3.5'

Arsenic		1.3	0.20		mg/kg	SW846 6020B
Barium		38.1	2.0		mg/kg	SW846 6020B
Copper		2.9	2.0		mg/kg	SW846 6020B
Lead		3.4	0.51		mg/kg	SW846 6020B
Nickel		3.0	2.0		mg/kg	SW846 6020B
Zinc		12.6	10		mg/kg	SW846 6020B
pH ^b		7.96			su	WREP-125,4E-SATPASTE
Specific Conductivity ^b		1.5	0.0010		mmhos/cm	SM 2510B-2011 MOD

DA77289-4A BKG03@3.5'

Calcium		108	6.0		mg/l	SW846 6010C
Magnesium		39.4	3.0		mg/l	SW846 6010C
Sodium		201	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^a		4.21			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA77289
Account: Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH
Collected: 11/14/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA77289-4B BKG03@3.5'

No hits reported in this sample.

- (a) Calculated as: $(\text{Na meq/L}) / \sqrt{[(\text{Ca meq/L}) + (\text{Mg meq/L})/2]}$
- (b) Saturated paste was generated on 11/15/25.
- (c) Analysis performed at SGS Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

3.1
3

Client Sample ID: WH01-W@3'	
Lab Sample ID: DA77289-1	Date Sampled: 11/14/25
Matrix: SO - Soil	Date Received: 11/14/25
Method: SW846 8260D	Percent Solids: 91.8
Project: CDH: Ritchey 1-27 1 WH	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	9VB4232.D	1	11/19/25 23:09	MB	n/a	n/a	V9V852
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.07 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0011	0.0011	mg/kg	
100-41-4	Ethylbenzene	< 0.0021	0.0021	mg/kg	
108-88-3	Toluene	< 0.0021	0.0021	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
	m,p-Xylene	< 0.0021	0.0021	mg/kg	
95-47-6	o-Xylene	< 0.0021	0.0021	mg/kg	
1330-20-7	Xylene (total)	< 0.0021	0.0021	mg/kg	
	TPH-GRO (C6-C10)	< 0.21	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%
17060-07-0	1,2-Dichloroethane-D4	102%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: WH01-W@3'		
Lab Sample ID: DA77289-1		Date Sampled: 11/14/25
Matrix: SO - Soil		Date Received: 11/14/25
Method: SW846 8270E SW846 3570		Percent Solids: 91.8
Project: CDH: Ritchey 1-27 1 WH		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G023552.D	1	11/19/25 12:08	ZL	11/18/25 16:30	OP29296	E6G877
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0042	0.0042	mg/kg	
120-12-7	Anthracene	< 0.0042	0.0042	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0052	0.0052	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0042	0.0042	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0042	0.0042	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0042	0.0042	mg/kg	
218-01-9	Chrysene	< 0.0042	0.0042	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0042	0.0042	mg/kg	
206-44-0	Fluoranthene	< 0.0042	0.0042	mg/kg	
86-73-7	Fluorene	< 0.0042	0.0042	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0042	0.0042	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-20-3	Naphthalene	< 0.0021	0.0021	mg/kg	
129-00-0	Pyrene	< 0.0042	0.0042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	94%		22-138%
4165-60-0	Nitrobenzene-d5	83%		32-143%
1718-51-0	Terphenyl-d14	100%		48-149%

RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID: WH01-W@3'	
Lab Sample ID: DA77289-1	Date Sampled: 11/14/25
Matrix: SO - Soil	Date Received: 11/14/25
Method: SW846-8015C SW846 3570	Percent Solids: 91.8
Project: CDH: Ritchey 1-27 1 WH	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH082946.D	1	11/20/25 01:48	JB	11/18/25 14:00	OP29308	GFH24042
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	19.2	4.3	mg/kg	
	TPH-ORO (> C28-C36)	40.0	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	114%		20-142%

RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: WH01-W@3'	
Lab Sample ID: DA77289-1A	Date Sampled: 11/14/25
Matrix: SO - Soil	Date Received: 11/14/25
	Percent Solids: 91.8
Project: CDH: Ritchey 1-27 1 WH	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	156	6.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	62.9	3.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	260	6.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19903

(2) Prep QC Batch: MP44458

RL = Reporting Limit

Report of Analysis

Client Sample ID: WH01-W@3'	
Lab Sample ID: DA77289-1A	Date Sampled: 11/14/25
Matrix: SO - Soil	Date Received: 11/14/25
	Percent Solids: 91.8
Project: CDH: Ritchey 1-27 1 WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	4.44		ratio	1	12/02/25 22:24	CDL	USDA HANDBOOK 60

(a) Calculated as: $(Na \text{ meq/L}) / \sqrt{[(Ca \text{ meq/L}) + (Mg \text{ meq/L})/2]}$

RL = Reporting Limit

Report of Analysis

Client Sample ID: WH01-W@3'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-1B	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 91.8
Project: CDH: Ritchey 1-27 1 WH	

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	11/18/25	12/04/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19907

(2) Prep QC Batch: MP44462

RL = Reporting Limit

Report of Analysis

Client Sample ID: WH01-W@3'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-1C	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 91.8
Project: CDH: Ritchey 1-27 1 WH	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	1.6	0.20	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	48.9	2.0	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	0.25	0.099	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	9.0	2.0	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	17.9	0.50	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	3.7	2.0	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	< 0.20	0.20	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.099	0.099	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	23.4	9.9	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19886

(2) Prep QC Batch: MP44461

RL = Reporting Limit

Report of Analysis

Client Sample ID: WH01-W@3'		Date Sampled: 11/14/25
Lab Sample ID: DA77289-1C		Date Received: 11/14/25
Matrix: SO - Soil		Percent Solids: 91.8
Project: CDH: Ritchey 1-27 1 WH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method pH ^a	7.90		su	1	11/15/25 15:28	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9 Specific Conductivity ^a	2.2	0.0010	mmhos/cm	1	11/15/25 15:28	SG	SM 2510B-2011 MOD
Chromium, Hexavalent ^b	0.57	0.44	mg/kg	1	12/16/25 16:12	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/15/25.

(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-2	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.4
Project: CDH: Ritchey 1-27 1 WH	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Arsenic	1.6	0.18	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	46.5	1.8	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	< 0.090	0.090	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	3.6	1.8	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	4.2	0.45	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	4.1	1.8	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	< 0.18	0.18	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.090	0.090	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	15.6	9.0	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19886

(2) Prep QC Batch: MP44461

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-2	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.4
Project: CDH: Ritchey 1-27 1 WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94.4		%	1	11/14/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH ^a	8.07		su	1	11/15/25 15:28	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity ^a	1.5	0.0010	mmhos/cm	1	11/15/25 15:28	SG	SM 2510B-2011 MOD
Chromium, Hexavalent ^b	< 0.43	0.43	mg/kg	1	12/16/25 15:32	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/15/25.

(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-2A	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.4
Project: CDH: Ritchey 1-27 1 WH	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	92.1	6.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	32.8	3.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	193	6.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19903

(2) Prep QC Batch: MP44458

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-2A	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.4
Project: CDH: Ritchey 1-27 1 WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	4.39		ratio	1	12/02/25 22:26	CDL	USDA HANDBOOK 60

(a) Calculated as: $(Na \text{ meq/L}) / \sqrt{[(Ca \text{ meq/L}) + (Mg \text{ meq/L})/2]}$

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-2B	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.4
Project: CDH: Ritchey 1-27 1 WH	

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	11/18/25	12/04/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19907

(2) Prep QC Batch: MP44462

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-3	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.3
Project: CDH: Ritchey 1-27 1 WH	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	1.7	0.18	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	55.6	1.8	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	< 0.092	0.092	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	4.3	1.8	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	4.2	0.46	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	4.0	1.8	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	< 0.18	0.18	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.092	0.092	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	15.8	9.2	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19886

(2) Prep QC Batch: MP44461

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-3	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.3
Project: CDH: Ritchey 1-27 1 WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94.3		%	1	11/14/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH ^a	8.08		su	1	11/15/25 15:28	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity ^a	1.4	0.0010	mmhos/cm	1	11/15/25 15:28	SG	SM 2510B-2011 MOD
Chromium, Hexavalent ^b	< 0.43	0.43	mg/kg	1	12/16/25 15:40	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/15/25.

(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-3A	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.3
Project: CDH: Ritchey 1-27 1 WH	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	98.0	6.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	38.4	3.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	189	6.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19903

(2) Prep QC Batch: MP44458

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-3A	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 94.3
Project: CDH: Ritchey 1-27 1 WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	4.10		ratio	1	12/02/25 22:27	CDL	USDA HANDBOOK 60

(a) Calculated as: $(Na \text{ meq/L}) / \sqrt{[(Ca \text{ meq/L}) + (Mg \text{ meq/L})/2]}$

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	
Lab Sample ID: DA77289-3B	Date Sampled: 11/14/25
Matrix: SO - Soil	Date Received: 11/14/25
	Percent Solids: 94.3
Project: CDH: Ritchey 1-27 1 WH	

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	11/18/25	12/04/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19907

(2) Prep QC Batch: MP44462

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-4	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 95.7
Project: CDH: Ritchey 1-27 1 WH	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	1.3	0.20	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	38.1	2.0	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	< 0.10	0.10	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	2.9	2.0	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	3.4	0.51	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	3.0	2.0	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	< 0.20	0.20	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.10	0.10	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	12.6	10	mg/kg	10	11/16/25	11/26/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19886

(2) Prep QC Batch: MP44461

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-4	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 95.7
Project: CDH: Ritchey 1-27 1 WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	95.7		%	1	11/14/25	LM	SM2540G-2011 M
pH-saturated paste method							
pH ^a	7.96		su	1	11/15/25 15:28	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity ^a	1.5	0.0010	mmhos/cm	1	11/15/25 15:28	SG	SM 2510B-2011 MOD
Chromium, Hexavalent ^b	< 0.42	0.42	mg/kg	1	12/16/25 15:56	ANJ	SW846 3060A/7199

(a) Saturated paste was generated on 11/15/25.

(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-4A	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 95.7
Project: CDH: Ritchey 1-27 1 WH	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	108	6.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	39.4	3.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	201	6.0	mg/l	1	11/16/25	12/02/25 CDL	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19903

(2) Prep QC Batch: MP44458

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-4A	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 95.7
Project: CDH: Ritchey 1-27 1 WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	4.21		ratio	1	12/02/25 22:28	CDL	USDA HANDBOOK 60

(a) Calculated as: $(Na \text{ meq/L}) / \sqrt{[(Ca \text{ meq/L}) + (Mg \text{ meq/L})/2]}$

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 11/14/25
Lab Sample ID: DA77289-4B	Date Received: 11/14/25
Matrix: SO - Soil	Percent Solids: 95.7
Project: CDH: Ritchey 1-27 1 WH	

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	11/18/25	12/04/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19907

(2) Prep QC Batch: MP44462

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS Sample Receipt Summary

Job Number: da77289

Client: CDH

Project: RITCHEY 1-27 1 WH

Date / Time Received: 11/14/2025 5:11:00 PM

Delivery Method: hd

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.1);

Cooler Temps (Corrected) °C: Cooler 1: (4.1);

Cooler Informatio

Y or N

- 1. Custody Seals Present:
- 2. Custody Seals Intact:
- 3. Temp criteria achieved:
- 4. Cooler temp verification: IR Gun
- 5. Cooler media: Ice (Bag)

Trip Blank Information

Y or N N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:

W or S N/A

- 3. Type of TB Received

Sample Information

Y or N N/A

- 1. Sample labels present on bottles:
- 2. Samples presented properly
- 3. Sufficient volume/containers recv'd for analysis
- 4. Condition of sample: Intact
- 5. Sample recv'd within HT
- 6. Dates/Times/IDs on COC match sample label
- 7. VOCs have headspace
- 8. Bottles received for unspecified tests
- 9. Compositing instructions clear
- 10. Voa Soil Kits/Jars received past 48hrs?
- 11. % Solids Jar Received?
- 12. Residual Chlorine Present?

Misc Information

Number of Encores: 25 Gram 5 Gram

Number of Lab Filtered Metals

Test Strip Lot #: pH 0-3: _____

pH 10-12: _____ Other: (Specify) _____

Residual Chlorine Test Strip Lot _____

Comments 8260 soils will be in freezer by 7PM.

SM001

Rev. Date 05/04/17

Technician: JEREMYD

Date: 11/14/2025 5:29:52 PM

Reviewer: _____

Date: _____

DA77289: Chain of Custody

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4.1
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MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V9V852-MB	9VB4214.D	1	11/19/25	MB	n/a	n/a	V9V852

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77289-1

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
108-88-3	Toluene	ND	2.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	ug/kg	
	m,p-Xylene	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	
	TPH-GRO (C6-C10)	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	93%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%
17060-07-0	1,2-Dichloroethane-D4	108%	70-130%

Blank Spike Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V9V852-BS	9VB4212.D	1	11/19/25	MB	n/a	n/a	V9V852

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77289-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	41.9	84	70-130
100-41-4	Ethylbenzene	50	45.1	90	70-130
108-88-3	Toluene	50	42.8	86	70-130
95-63-6	1,2,4-Trimethylbenzene	50	44.2	88	70-134
108-67-8	1,3,5-Trimethylbenzene	50	44.8	90	70-134
	m,p-Xylene	100	90.2	90	70-130
95-47-6	o-Xylene	50	45.7	91	70-136
1330-20-7	Xylene (total)	150	136	91	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V9V852-BS	9VB4213.D	1	11/19/25	MB	n/a	n/a	V9V852

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77289-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1570	79	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA77295-3MS	9VB4217.D	1	11/19/25	MB	n/a	n/a	V9V852
DA77295-3MSD	9VB4218.D	1	11/19/25	MB	n/a	n/a	V9V852
DA77295-3	9VB4215.D	1	11/19/25	MB	n/a	n/a	V9V852

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77289-1

CAS No.	Compound	DA77295-3 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	< 1.1	55.7	49.3	88	56.7	47.6	84	4	44-150/44
100-41-4	Ethylbenzene	< 2.3	55.7	52.1	93	56.7	50.1	88	4	41-149/49
108-88-3	Toluene	< 2.3	55.7	50.0	90	56.7	47.9	84	4	40-149/47
95-63-6	1,2,4-Trimethylbenzene	< 2.3	55.7	51.2	92	56.7	48.2	85	6	26-164/57
108-67-8	1,3,5-Trimethylbenzene	< 2.3	55.7	51.3	92	56.7	48.8	86	5	30-161/60
	m,p-Xylene	< 2.3	111	104	93	113	101	89	3	36-152/49
95-47-6	o-Xylene	< 2.3	55.7	53.5	96	56.7	51.4	91	4	33-168/49
1330-20-7	Xylene (total)	< 2.3	167	158	94	170	152	89	4	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	DA77295-3	Limits
1868-53-7	Dibromofluoromethane	97%	95%	94%	70-130%
2037-26-5	Toluene-D8	98%	99%	98%	70-130%
460-00-4	4-Bromofluorobenzene	101%	101%	100%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	103%	70-130%

* = Outside of Control Limits.

5.3.1
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Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA77295-4MS	9VB4219.D	1	11/19/25	MB	n/a	n/a	V9V852
DA77295-4MSD	9VB4220.D	1	11/19/25	MB	n/a	n/a	V9V852
DA77295-4	9VB4216.D	1	11/19/25	MB	n/a	n/a	V9V852

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77289-1

CAS No.	Compound	DA77295-4 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	< 210	2180	1690	78	2180	1520	70	11	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA77295-4	Limits
1868-53-7	Dibromofluoromethane	93%	94%	96%	70-130%
2037-26-5	Toluene-D8	99%	98%	99%	70-130%
460-00-4	4-Bromofluorobenzene	99%	101%	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	102%	102%	70-130%

* = Outside of Control Limits.

5.3.2
5

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29296-MB	6G023548.D	1	11/19/25	ZL	11/18/25	OP29296	E6G877

The QC reported here applies to the following samples:

Method: SW846 8270E

DA77289-1

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.0	ug/kg	
120-12-7	Anthracene	ND	4.0	ug/kg	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	4.0	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	4.0	ug/kg	
50-32-8	Benzo(a)pyrene	ND	4.0	ug/kg	
218-01-9	Chrysene	ND	4.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	4.0	ug/kg	
206-44-0	Fluoranthene	ND	4.0	ug/kg	
86-73-7	Fluorene	ND	4.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	4.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	4.0	ug/kg	
91-20-3	Naphthalene	ND	2.0	ug/kg	
129-00-0	Pyrene	ND	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
321-60-8	2-Fluorobiphenyl	87%	22-138%
4165-60-0	Nitrobenzene-d5	76%	32-143%
1718-51-0	Terphenyl-d14	104%	48-149%

6.1.1
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Blank Spike Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29296-BS	6G023549.D	1	11/19/25	ZL	11/18/25	OP29296	E6G877

The QC reported here applies to the following samples:

Method: SW846 8270E

DA77289-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	206	103	46-152
120-12-7	Anthracene	200	227	114	65-147
56-55-3	Benzo(a)anthracene	200	211	106	64-144
205-99-2	Benzo(b)fluoranthene	200	223	112	70-154
207-08-9	Benzo(k)fluoranthene	200	231	116	70-158
50-32-8	Benzo(a)pyrene	200	228	114	64-159
218-01-9	Chrysene	200	227	114	70-156
53-70-3	Dibenzo(a,h)anthracene	200	210	105	63-156
206-44-0	Fluoranthene	200	241	121	62-155
86-73-7	Fluorene	200	232	116	55-151
193-39-5	Indeno(1,2,3-cd)pyrene	200	211	106	67-156
90-12-0	1-Methylnaphthalene	200	209	105	21-168
91-57-6	2-Methylnaphthalene	200	204	102	18-161
91-20-3	Naphthalene	200	182	91	2-173
129-00-0	Pyrene	200	231	116	61-158

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	95%	22-138%
4165-60-0	Nitrobenzene-d5	86%	32-143%
1718-51-0	Terphenyl-d14	100%	48-149%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29296-MS	6G023550.D	1	11/19/25	ZL	11/18/25	OP29296	E6G877
OP29296-MSD	6G023551.D	1	11/19/25	ZL	11/18/25	OP29296	E6G877
DA77289-1	6G023552.D	1	11/19/25	ZL	11/18/25	OP29296	E6G877

The QC reported here applies to the following samples:

Method: SW846 8270E

DA77289-1

CAS No.	Compound	DA77289-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	< 4.2	206	218	106	209	212	101	3	30-148/32
120-12-7	Anthracene	< 4.2	206	229	111	209	234	112	2	40-148/33
56-55-3	Benzo(a)anthracene	< 5.2	206	213	104	209	219	105	3	44-144/32
205-99-2	Benzo(b)fluoranthene	< 4.2	206	219	107	209	228	109	4	36-166/43
207-08-9	Benzo(k)fluoranthene	< 4.2	206	214	104	209	216	103	1	43-165/41
50-32-8	Benzo(a)pyrene	< 4.2	206	216	105	209	227	108	5	41-161/37
218-01-9	Chrysene	< 4.2	206	220	107	209	224	107	2	52-152/32
53-70-3	Dibenzo(a,h)anthracene	< 4.2	206	209	102	209	218	104	4	42-155/36
206-44-0	Fluoranthene	< 4.2	206	235	114	209	241	115	3	40-151/34
86-73-7	Fluorene	< 4.2	206	232	113	209	234	112	1	34-149/34
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.2	206	207	101	209	210	100	1	41-156/37
90-12-0	1-Methylnaphthalene	< 4.2	206	206	100	209	210	100	2	23-149/36
91-57-6	2-Methylnaphthalene	< 4.2	206	203	99	209	205	98	1	18-144/35
91-20-3	Naphthalene	< 2.1	206	182	89	209	179	85	2	18-150/32
129-00-0	Pyrene	< 4.2	206	228	111	209	239	114	5	38-156/33

CAS No.	Surrogate Recoveries	MS	MSD	DA77289-1	Limits
321-60-8	2-Fluorobiphenyl	99%	95%	94%	22-138%
4165-60-0	Nitrobenzene-d5	84%	82%	83%	32-143%
1718-51-0	Terphenyl-d14	97%	103%	100%	48-149%

* = Outside of Control Limits.

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29308-MB	FH082924.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77289-1

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.0	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	91% 20-142%

Blank Spike Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29308-BS1	FH082925.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77289-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	177	89	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	102%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29308-BS2	FH082926.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77289-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	160	80	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	94%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29308-MS1	FH082927.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042
OP29308-MSD1	FH082928.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042
DA77282-1	FH082931.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77289-1

CAS No.	Compound	DA77282-1 mg/kg	Spike Q	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	< 4.3	219	236	108	219	227	104	4	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA77282-1	Limits
84-15-1	o-Terphenyl	128%	126%	116%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77289
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29308-MS2	FH082929.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042
OP29308-MSD2	FH082930.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042
DA77282-2	FH082932.D	1	11/19/25	JB	11/18/25	OP29308	GFH24042

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77289-1

CAS No.	Compound	DA77282-2 mg/kg	Spike Q mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	< 6.7	228	240	105	222	200	90	18	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA77282-2	Limits
84-15-1	o-Terphenyl	120%	106%	107%	20-142%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/16/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	30	230		
Antimony	450	90	100		
Arsenic	380	34	69		
Barium	150	2.9	20		
Beryllium	150	1.5	20		
Boron	750	19	95		
Cadmium	150	3.2	20		
Calcium	6000	84	750	215	<6000
Chromium	150	10	20		
Cobalt	75	12	9.5		
Copper	150	7.4	20		
Iron	1100	28	180		
Lead	750	63	95		
Lithium	75	30	20		
Magnesium	3000	110	380	-83	<3000
Manganese	75	2.6	9.5		
Molybdenum	150	38	42		
Nickel	450	17	57		
Phosphorus	1500	170	240		
Potassium	15000	540	1900		
Selenium	750	140	320		
Silicon	3000	620	2300		
Silver	450	8.4	57		
Sodium	6000	130	750	1090	<6000
Strontium	75	1.5	9.5		
Thallium	150	91	65		
Tin	900	51	770		
Titanium	150	6.5	20		
Uranium	750	170	130		
Vanadium	150	15	20		
Zinc	450	10	57		

Associated samples MP44458: DA77289-1A, DA77289-2A, DA77289-3A, DA77289-4A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

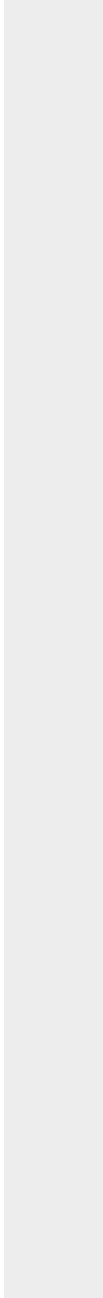
QC Batch ID: MP44458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/16/25

Metal	RL	IDL	MDL	MB raw	final
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(anr) Analyte not requested



8.1.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44458
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/16/25

Metal	DA77280-1A Original MS	Spikelot ICPAL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	60400	443000	375000	102.0 75-125
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	11000	402000	375000	104.3 75-125
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	2600	380000	375000	100.6 75-125
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP44458: DA77289-1A, DA77289-2A, DA77289-3A, DA77289-4A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

8.12
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

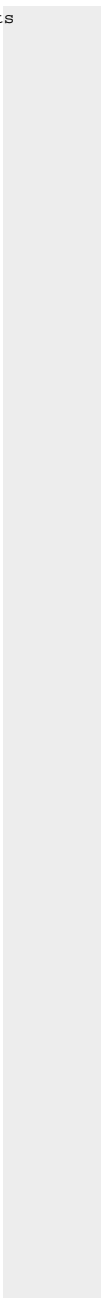
QC Batch ID: MP44458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/16/25

Metal	DA77280-1A Original MS	SpikeLot ICPAL6	% Rec	QC Limits
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



8.1.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44458
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/16/25

Metal	DA77280-1A Original MSD	Spikelot ICPAL6	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	60400	435000	375000	99.9	1.8	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	11000	396000	375000	102.7	1.5	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	2600	366000	375000	96.9	3.8	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP44458: DA77289-1A, DA77289-2A, DA77289-3A, DA77289-4A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

8.12
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

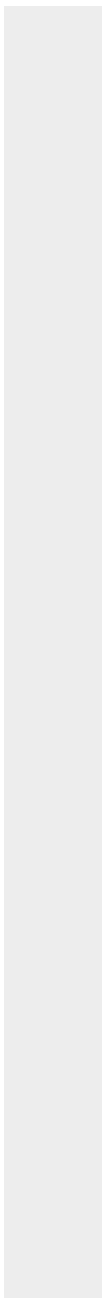
QC Batch ID: MP44458
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/16/25

Metal	DA77280-1A Original MSD	SpikeLot ICPAL6 % Rec	MSD RPD	QC Limit
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(N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested



8.1.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44458
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/16/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	370000	375000	98.7	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	379000	375000	101.1	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	366000	375000	97.6	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP44458: DA77289-1A, DA77289-2A, DA77289-3A, DA77289-4A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

8.1.3
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

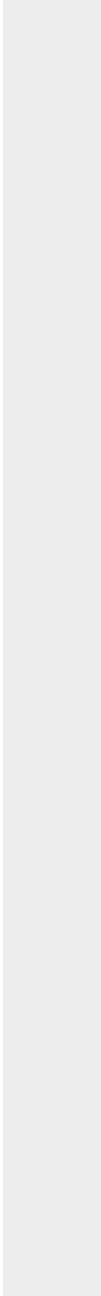
QC Batch ID: MP44458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/16/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
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(anr) Analyte not requested



8.1.3

8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44458
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/16/25

Metal	DA77280-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	4030	3930	2.4	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	734	649	11.7* (a)	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	173	222	28.4 (b)	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP44458: DA77289-1A, DA77289-2A, DA77289-3A, DA77289-4A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

8.1.4
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44458
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/16/25

	DA77280-1A		QC
Metal	Original SDL 1:5	%DIF	Limits

- (anr) Analyte not requested
- (a) Serial dilution indicates possible matrix interference.
- (b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44461
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 11/16/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	5		
Antimony	0.40	.01	.05		
Arsenic	0.20	.05	.05	0.054	<0.20
Barium	2.0	.096	.24	0.051	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	0.013	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	0.11	<2.0
Iron	20	1.6	15		
Lead	0.50	.094	.2	0.0094	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	-0.35	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.0097	<0.20
Silver	0.10	.0081	.03	0.0035	<0.10
Sodium	500	10	30		
Strontium	20	.1	1		
Thallium	0.20	.032	.04		
Tin	10	.22	4		
Titanium	2.0	.05	.3		
Uranium	0.20	.015	.1		
Vanadium	1.0	.14	.2		
Zinc	10	.05	1	0.31	<10

Associated samples MP44461: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44461
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 11/16/25

Metal	DA77289-1C Original MS		Spike/lot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	1.6	100	98.1	100.3	75-125
Barium	48.9	258	196	106.5	75-125
Beryllium					
Boron					
Cadmium	0.25	51.4	49.1	104.2	75-125
Calcium					
Chromium					
Cobalt					
Copper	9.0	60.9	49.1	105.8	75-125
Iron					
Lead	17.9	117	98.1	101.0	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	3.7	54.5	49.1	103.5	75-125
Phosphorus					
Potassium					
Selenium	0.17	99.1	98.1	100.8	75-125
Silver	0.025	20.3	19.6	103.3	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	23.4	75.9	49.1	107.0	75-125

Associated samples MP44461: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.2.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44461
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 11/16/25

Metal	DA77289-1C Original MSD		Spike ICPMS6	lot % Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	1.6	105	104	99.7	4.9	20
Barium	48.9	268	207	105.6	3.8	20
Beryllium						
Boron						
Cadmium	0.25	54.5	51.9	104.6	5.9	20
Calcium						
Chromium						
Cobalt						
Copper	9.0	64.4	51.9	106.8	5.6	20
Iron						
Lead	17.9	137	104	114.8	15.7	20
Magnesium						
Manganese						
Molybdenum						
Nickel	3.7	57.1	51.9	102.9	4.7	20
Phosphorus						
Potassium						
Selenium	0.17	106	104	102.0	6.7	20
Silver	0.025	21.3	20.7	102.5	4.8	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	23.4	83.1	51.9	115.1	9.1	20

Associated samples MP44461: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44461
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 11/16/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	101	100	101.0	80-120
Barium	195	200	97.5	80-120
Beryllium				
Boron				
Cadmium	51.5	50	103.0	80-120
Calcium				
Chromium				
Cobalt				
Copper	51.7	50	103.4	80-120
Iron				
Lead	103	100	103.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.8	50	101.6	80-120
Phosphorus				
Potassium				
Selenium	102	100	102.0	80-120
Silver	20.4	20	102.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	50.5	50	101.0	80-120

Associated samples MP44461: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.2.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44461
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: ug/l

Prep Date: 11/16/25

Metal	DA77289-1C Original SDL 10:50%DIF		QC Limits	
Aluminum				
Antimony				
Arsenic	15.8	16.5	4.8	0-20
Barium	494	496	0.4	0-20
Beryllium				
Boron				
Cadmium	2.48	2.22	10.6	0-20
Calcium				
Chromium				
Cobalt				
Copper	91.1	92.8	1.9	0-20
Iron				
Lead	180	174	3.7	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	37.0	21.4	42.3 (a)	0-20
Phosphorus				
Potassium				
Selenium	1.68	0.00	100.0(a)	0-20
Silver	0.254	0.00	100.0(a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	236	245	4.0	0-20

Associated samples MP44461: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.2.4
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44462
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/18/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	9.9	75		
Antimony	150	30	34		
Arsenic	130	11	23		
Barium	50	.95	6.5		
Beryllium	50	.5	6.5		
Boron	250	6.3	32	17.0	<250
Cadmium	50	1.1	6.5		
Calcium	2000	28	250		
Chromium	50	3.4	6.5		
Cobalt	25	4.1	3.2		
Copper	50	2.5	6.5		
Iron	350	9.3	60		
Lead	250	21	32		
Lithium	25	10	6.5		
Magnesium	1000	35	130		
Manganese	25	.85	3.2		
Molybdenum	50	13	14		
Nickel	150	5.7	19		
Phosphorus	500	58	80		
Potassium	5000	180	630		
Selenium	250	46	110		
Silicon	1000	210	750		
Silver	150	2.8	19		
Sodium	2000	43	250		
Strontium	25	.5	3.2		
Thallium	50	30	22		
Tin	300	17	260		
Titanium	50	2.2	6.5		
Uranium	250	57	43		
Vanadium	50	5.2	6.5		
Zinc	150	3.4	19		

Associated samples MP44462: DA77289-1B, DA77289-2B, DA77289-3B, DA77289-4B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

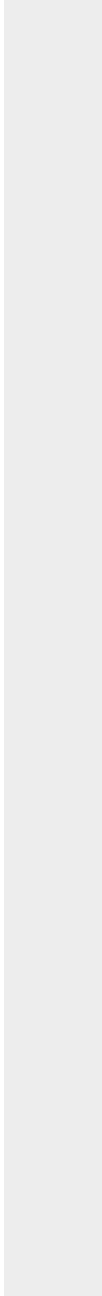
QC Batch ID: MP44462
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/18/25

Metal	RL	IDL	MDL	MB raw	final
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(anr) Analyte not requested



8.3.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44462
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/18/25 11/18/25

Metal	DA77289-1B Original	DUP	RPD	QC Limits	DA77289-1B Original MS	Spikelot ICPAL6	% Rec	QC Limits	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	362	354	2.2	0-20	362	11200	10000	108.4	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Phosphorus									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

Associated samples MP44462: DA77289-1B, DA77289-2B, DA77289-3B, DA77289-4B

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

8.3.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

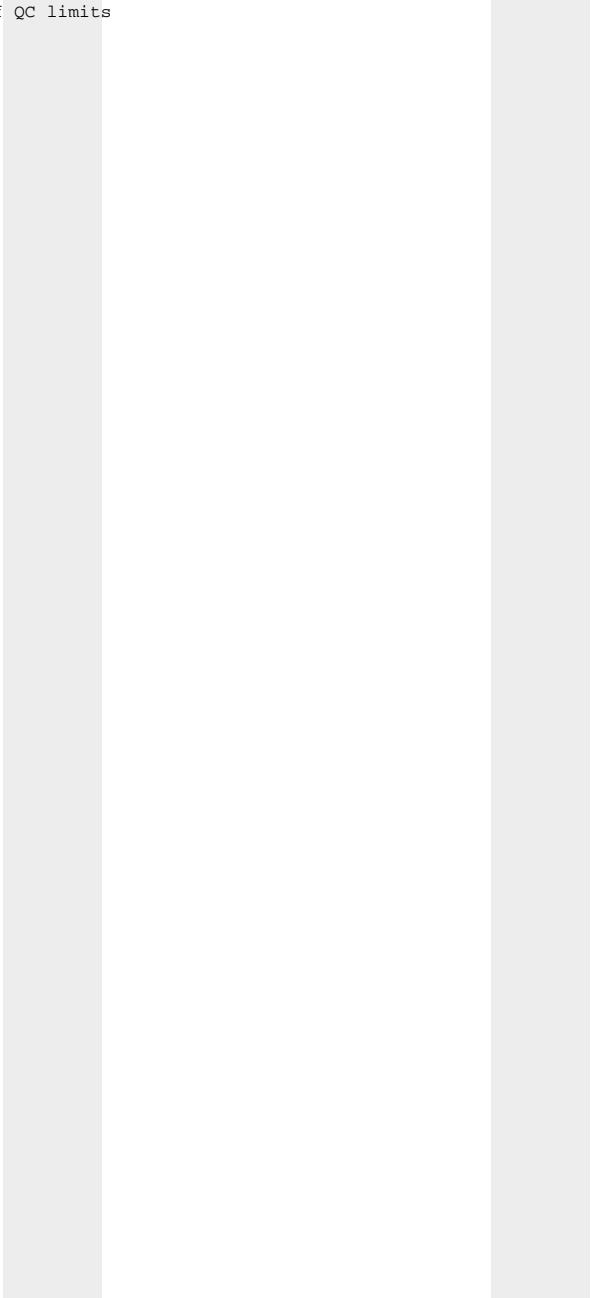
QC Batch ID: MP44462
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/18/25 11/18/25

Metal	DA77289-1B Original DUP	RPD	QC Limits	DA77289-1B Original MS	Spikelot ICPAL6	% Rec	QC Limits
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(N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested



8.3.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44462
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/18/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	10300	10000	103.0	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP44462: DA77289-1B, DA77289-2B, DA77289-3B, DA77289-4B

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

8.3.3
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

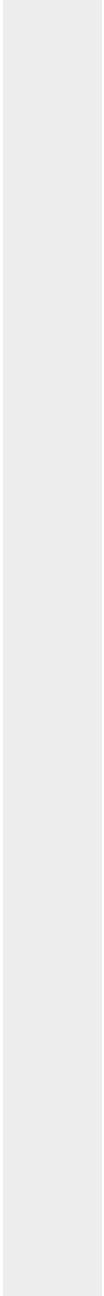
QC Batch ID: MP44462
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/18/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
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(anr) Analyte not requested



8.3.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77289
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Ritchey 1-27 1 WH

QC Batch ID: MP44462
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/18/25

Metal	DA77289-1B Original SDL 1:5	%DIF	QC Limits
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Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron	72.4	68.5	5.4 0-10
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead			
Lithium			
Magnesium			
Manganese			
Molybdenum			
Nickel			
Phosphorus			
Potassium			
Selenium			
Silicon			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Uranium			
Vanadium			
Zinc			

Associated samples MP44462: DA77289-1B, DA77289-2B, DA77289-3B, DA77289-4B

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits

8.3.4
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

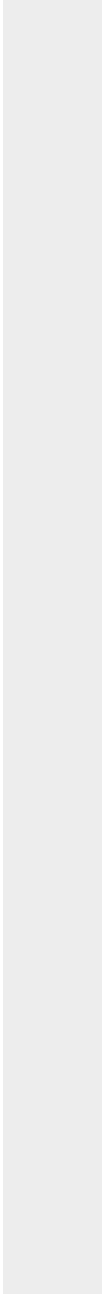
QC Batch ID: MP44462
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/18/25

	DA77289-1B		QC
Metal	Original SDL 1:5	%DIF	Limits

(anr) Analyte not requested



8.3.4

8

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP40039/GN70771			mmhos/cm	1.409	1.4	100.9(a)	90-110%

Associated Samples:

Batch GP40039: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

(*) Outside of QC limits

(a) Saturated paste was generated on 11/15/25.

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77289
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Ritchey 1-27 1 WH

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP40039/GN70771	DA77289-4	mmhos/cm	1.5	1.5(a)	1.3(a)	0-20%
pH	GN70770	DA77280-1C	su	7.49	7.53(a)	0.5(a)	0-5%

Associated Samples:

Batch GN70770: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

Batch GP40039: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

(*) Outside of QC limits

(a) Saturated paste was generated on 11/15/25.

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody



So

CHAIN OF CUSTODY
 SGS North America Inc. - Wheat Ridge
 4036 Youngfield Street, Wheat Ridge, CO 80033
 TEL: 303-425-6021 FAX: 303-425-6854
 www.sgs.com/ehsusa

FED-EX Tracking # **4982-6279-4590** Bottle Order Control #
 SGS Quote # **DA77289** SGS Job #

Client / Reporting Information			Project Information				Requested Analysis (see TEST CODE sheet)										Matrix Codes
Company Name: SGS North America Inc.			Project Name: CDH: Ritchey 1-271 WH														DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED-Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB-Field Blank EB-Equipment Blank RB- Rinse Blank TB-Trip Blank
Street Address 4036 Youngfield Street			Street														
City State Zip Wheat Ridge, CO 80033			City State														
Project Contact E-mail parna_ekandari@sgs.com			Project #														
Phone # 303-425-6021			Client Purchase Order #														
Sampler(s) Name(s) NI			Project Manager				Attention:										
Turnaround Time (Business days)			Data Deliverable Information				Comments / Special Instructions										
<input type="checkbox"/> Standard 10 Day (business) <input type="checkbox"/> 5 Business Days RUSH <input type="checkbox"/> 3 Business Days RUSH <input type="checkbox"/> 2 Business Days RUSH <input type="checkbox"/> 1 Business Day EMERGENCY <input checked="" type="checkbox"/> other Due 12/1/2025 <small>Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT</small>			Approved By (SGS PM) / Date:				<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> REDT1 (Level 3) <input type="checkbox"/> FULT1 (Level 4) <input type="checkbox"/> Commercial "C" <small>Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC Summary + Partial Raw data</small>				<input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> Other <input checked="" type="checkbox"/> X				120 349 JJ-4B		
Sample Custody must be documented below each time samples change possession, including courier delivery.																	
Relinquished by Sampler:		Date Time:		Received By:		Relinquished By:		Date Time:		Received By:							
1		11-17-25		1 Fedex		2 Fedex		11/18		2 Samir							
3				3		4		10:50		4							
5				5		Custody Seal #		<input type="checkbox"/> Intact <input type="checkbox"/> Not intact		Preserved where applicable		<input type="checkbox"/> Them ID <input type="checkbox"/> On Ice <input checked="" type="checkbox"/> Cooler Temp: 2-4.					

10.1 10

DA77289: Chain of Custody
 Page 1 of 3
 SGS Dayton, NJ



SGS Sample Receipt Summary

Job Number: DA77289

Client: SGS NORTH AMERICA INC.

Project: CDH: RITCHEY 1-271 WH

Date / Time Received: 11/18/2025 10:50:00 AM

Delivery Method: FEDEX

Airbill #'s: 490362794590

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. SmpI Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | <u>IR-50</u> | |
| 3. Cooler media: | <u>Ice (Bag)</u> | |
| 4. No. Coolers: | <u>1</u> | |

Quality Control Preservatio

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | <u>Intact</u> | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Test Strip Lot #s:	pH 1-12: <u>231619</u>	pH 12+: <u>203117A</u>	Other: (Specify) _____
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Comments

SM089-03
Rev. Date 12/7/17

10.1 10

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries



METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77289
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: CDH: Ritchey 1-27 1 WH

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP66207/GN77291	0.40	0.0	mg/kg	40	39.2	98.0	80-120%
Chromium, Hexavalent	GP66207/GN77291			mg/kg	721	741	102.8	80-120%

Associated Samples:

Batch GP66207: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

(*) Outside of QC limits

11.1
11

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77289
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: CDH: Ritchey 1-27 1 WH

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP66207/GN77291	DA77287-3C	mg/kg	0.26	0.0	200.0(a)	0-20%

Associated Samples:

Batch GP66207: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

(*) Outside of QC limits

(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77289
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: CDH: Ritchey 1-27 1 WH

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP66207/GN77291	DA77287-3C	mg/kg	0.26	45.4	41.6	91.0(a)	75-125%
Chromium, Hexavalent	GP66207/GN77291	DA77287-3C	mg/kg	0.26	1150	1180	102.9(b)	75-125%

Associated Samples:

Batch GP66207: DA77289-2, DA77289-3, DA77289-4, DA77289-1C

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Good recovery on soluble XCR matrix spike. Good recovery (102.7%) on the post-spike.

(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

11.3
11